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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.		
10/815,175	03/26/2004	Kenichi Furukawa	5854-32	7084		
20575 75	20575 7590 10/19/2006			EXAMINER		
MARGER JOHNSON & MCCOLLOM, P.C. 210 SW MORRISON STREET, SUITE 400 PORTLAND, OR 97204			GUPTA, PARUL H			
			ART UNIT	PAPER NUMBER		
			2627			
			DATE MAILED: 10/19/2006			

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary Digit Digi			Application No.	Applicant(s)					
Paral Gupta Paral Bupta Paral Gupta Paral Gupta Paral Gupta Paral Gupta Paral Bupta Paral Gupta Paral	Office Action Summary		10/815,175	FURUKAWA ET A	L.				
The MAILING DATE of this communication appears on the cover sheet with the correspondence address — Period for Reply A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION. WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION. Extensions of mer may be writing under the proximate of 37 CFR 1:36(a). In no event, however, may anyly be finely feed after SX (6) MONTHS from the maining date of this communication. Failure to region when the sate or excended period for reply will, by statuke, such the application. Failure to region when the sate or excended period for reply will, by statuke, such the application. Failure to region when the sate or excended period for reply will, by statuke, such the application, even if smally filled, may reduce any example plantinum adjustment. See 37 CFR 1:76(a). Status 1) Responsive to communication(s) filled on 26 March 2004. 2a) This action is FINAL. 2b) This action is formation is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213. Disposition of Claims 4i) Claim(s) 1-6 is/are pending in the application. 4a) Of the above claim(s) is/are withdrawn from consideration. 5i) Claim(s) 1-6 is/are allowed. 6i) Claim(s) is/are objected to. 8i) The specification is objected to by the Examiner. 4pplicant may not request that any objection to the drawing(s) to held in aboyance. See 37 CFR 1.85(a). Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). 11) The cath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152. Priority under 35 U.S.C. § 119 12) Acknowledgment is made of a claim for foreign priority under 35 U.			Examiner	Art Unit					
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DETAILED ACTION

1. Claims 1-6 are pending for examination as interpreted by the examiner. The IDS filed on 7/2/04 was considered.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

- (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- 2. Claims 1-6 are rejected under 35 U.S.C. 103(a) as being unpatentable over Park, US Patent 6,049,513 in view of Worthington et al., US Patent 7,061,594.

Regarding claim 1, Park discloses a method for adjusting a focus bias in an optical disc drive (column 4, lines 63-66), comprising the steps of: rotationally driving an optical disc in a state that only focus servo is engaged (column 2, lines 13-20); driving an actuator of an optical pick-up so that a laser beam projected from the optical pick-up is moved in a tracking direction (column 2, lines 1-12) to obtain an HF signal ("RF signal"); and determining a focus bias by which a proper focusing point can be obtained based on the HF signal (column 3, lines 38-54). Park does not but Worthington et al. teaches controlling and monitoring the focusing without the tracking (column 16, line 63 to column 17, line 2). It would have been obvious to one of ordinary skill in the art at the time of the invention to include the concept of separating focusing and tracking as taught by Worthington et al. into the system of Park. The motivation would be to allow the user to control the heating of the disc (column 17, lines 1-2).

Regarding claim 2, Park discloses the method for adjusting a focus bias in an optical disc drive as claimed in claim 1, wherein the driving of the actuator is carried out by supplying

an actuator drive control signal ("focus servo control signal") to a tracking actuator of the optical pick-up in a state that tracking servo is not engaged (column 5, lines 12-15).

Regarding claim 3, Park discloses the method for adjusting a focus bias in an optical disc drive as claimed in claim 1, wherein the actuator drive control signal ("focus servo control signal") includes a signal which applies a drive voltage in the form of a pulse wave or a sinusoidal wave to the tracking actuator (column 5, lines 12-22).

Regarding claim 4, Park discloses the method for adjusting a focus bias in an optical disc drive as claimed in claim 1, wherein the focus bias value is determined based on a signal obtained by passing the HF signal into a peak/bottom holding circuit (column 5, lines 20-51).

Regarding claim 5, Park discloses the method for adjusting a focus bias in an optical disc drive as claimed in claim 1, wherein the adjustment of the focus bias is carried out every time upon an optical disc is loaded into the optical disc drive ("characteristic variation" of column 2, lines 53-58).

Regarding claim 6, Park discloses in figure 2 an optical disc drive equipped with a circuit by which the method described in any one of claims 1 to 5 can be implemented.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Parul Gupta whose telephone number is 571-272-5260. The examiner can normally be reached on Monday through Thursday, from 9:30 AM to 7 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Andrea Wellington can be reached on 571-272-4483. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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PHG 10/10/06

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